

**A VIBRATION FILTER FOR A TRANSMISSION WITH AUTOMATIC,  
CONTINUOUS OR DISCONTINUOUS, GEARCHANGE, ESPECIALLY  
FOR A MOTOR VEHICLE**

**ABSTRACT**

- 5 In a vibration filter for a transmission with automatic gear changing for  
a motor vehicle, including a torsion damper disposed between an input  
or driving element arranged to be driven in rotation by the crankshaft  
of the motor vehicle engine, and an output or driven shaft arranged to  
be coupled to an input shaft or driven shaft of the transmission, the  
10 torsion damper includes elastic means: the stiffness of the damper is  
variable and is obtained by virtue of the said elastic means, which are  
in the form of helical springs oriented substantially radially; the input  
element is a primary flywheel (10) which has at its radially inner  
periphery an axial flange (12) for supporting a bearing (13) which  
15 centres and guides in rotation a secondary inertial flywheel (20)  
constituting the output element.

20 [Figure 1]